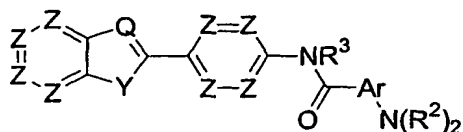


WHAT IS CLAIMED IS:

1 [0132]

1 1. A compound according to the formula



2 and the pharmaceutically acceptable salts thereof,

3 wherein

4 each Z is independently N or C(R¹), with the proviso that no more than 2 Z's in any one  
5 aromatic ring are N;

6 Y is O, N, or S;

7 Q is N or C(R¹), with the proviso that Q is C(R¹) when Y is N;

8 Ar is an unsubstituted or substituted aromatic or heteroaromatic 5- or 6-member ring;

9 each R¹ is independently H, halogen, OH, or a C₁ to C₁₂ alkyl heteroalkyl moiety;

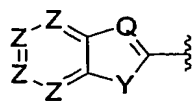
10 each R² is independently H or a C₁ to C₁₈ alkyl or heteroalkyl moiety or the two R²'s taken  
11 together with the nitrogen atom to which they are attached form a substituted or  
12 unsubstituted heteroalkyl 5 to 7 member ring;

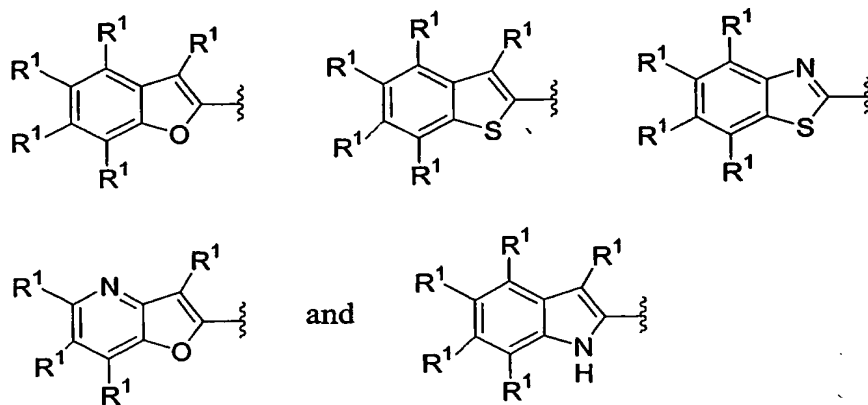
13 and

14 R³ is H or a C₁ to C₆ alkyl moiety;

15 with the proviso that at least one group R¹, R², or R³ contains an alkyl amine group or a  
16 quaternary nitrogen group.1 2. A compound according to claim 1, wherein at least one group R²  
2 contains an alkyl amine group.

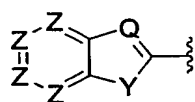
1 3. A compound according to claim 1 or 2, wherein

2 is selected from the group consisting of  
3

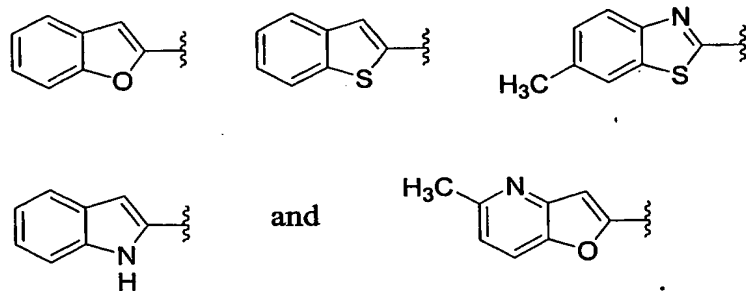


wherein R¹ is H or CH₃.

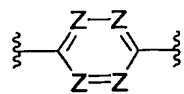
4. A compound according to claim 1 or 2, wherein



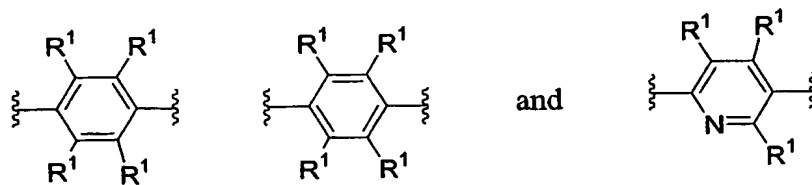
is selected from the group consisting of



5. A compound according to claim 1 or 2, wherein

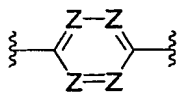


is selected from the group consisting of

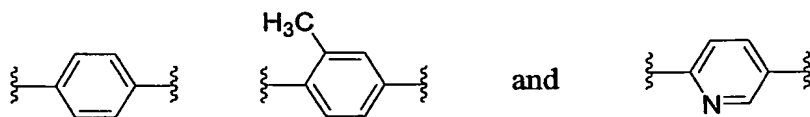


wherein R¹ is H or CH₃.

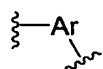
6. A compound according to claim 1 or 2, wherein



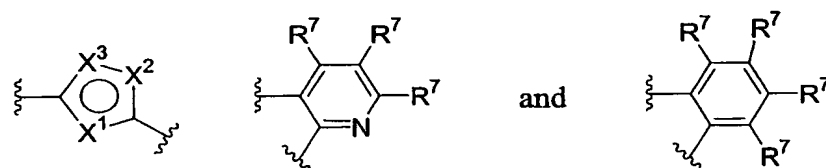
is selected from the group consisting of



7. A compound according to claim 1 or 2, wherein

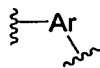


is selected from the group consisting of

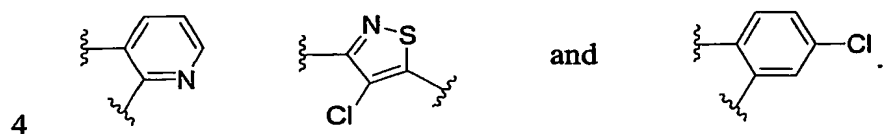


wherein one of  $X^1$ ,  $X^2$ , and  $X^3$  is a ring vertex selected from the group consisting of -O-, -S-, and -NR<sup>8</sup>-, and the other two of  $X^1$ ,  $X^2$ , and  $X^3$  are ring vertices selected from the group consisting of =N- and =CR<sup>7</sup>-; each R<sup>7</sup> is independently H, F, Cl, Br, I, CN, OH, NO<sub>2</sub>, NH<sub>2</sub>, a substituted or unsubstituted (C<sub>1</sub>-C<sub>12</sub>)alkyl group, a substituted or unsubstituted (C<sub>1</sub>-C<sub>12</sub>)alkoxy group, or a substituted or unsubstituted (C<sub>1</sub>-C<sub>12</sub>)heteroalkyl group; and R<sup>8</sup> is H, a substituted or unsubstituted (C<sub>1</sub>-C<sub>12</sub>)alkyl group, or a substituted or unsubstituted (C<sub>1</sub>-C<sub>12</sub>)heteroalkyl group.

8. A compound according to claim 1 or 2, wherein

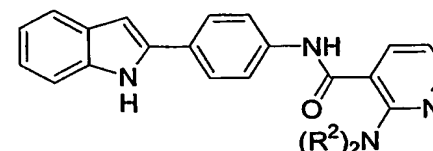
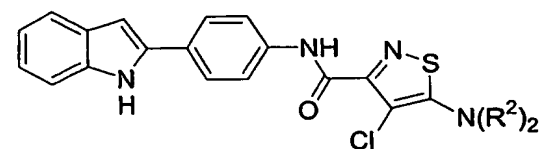
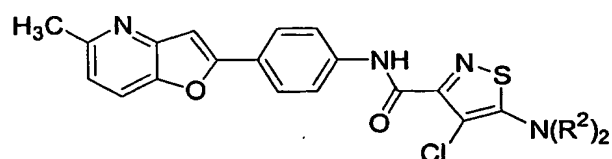
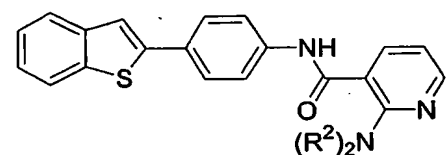
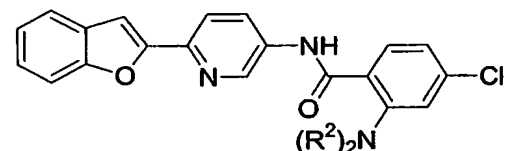
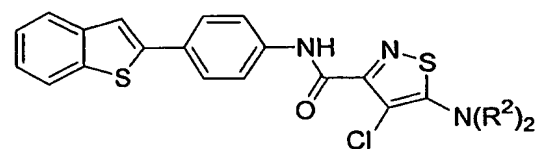
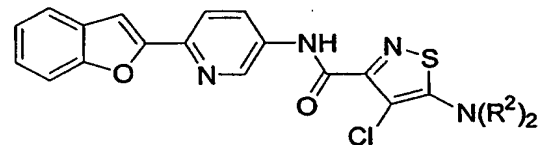
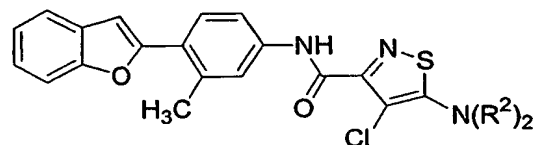
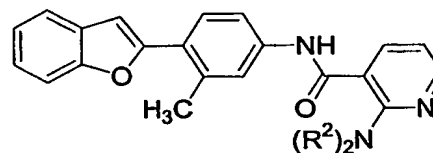
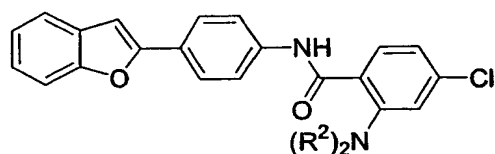
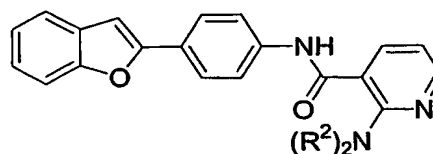
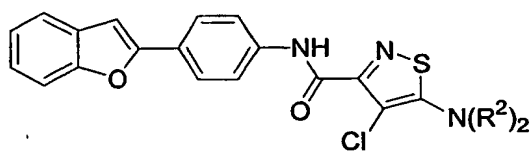


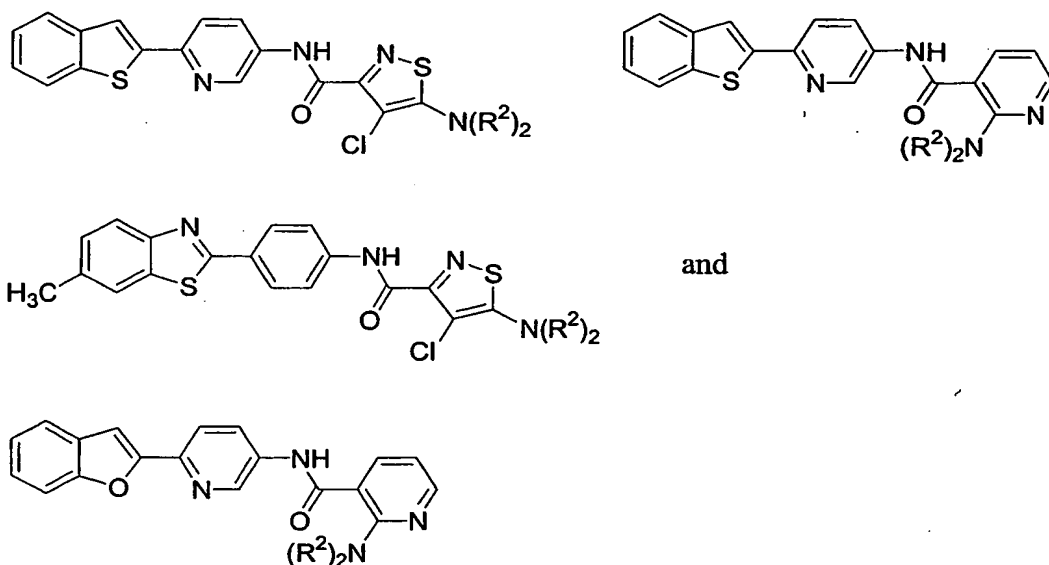
is selected from the group consisting of



1 9. A compound according to claim 1 or 2, wherein  $R^3$  is H.

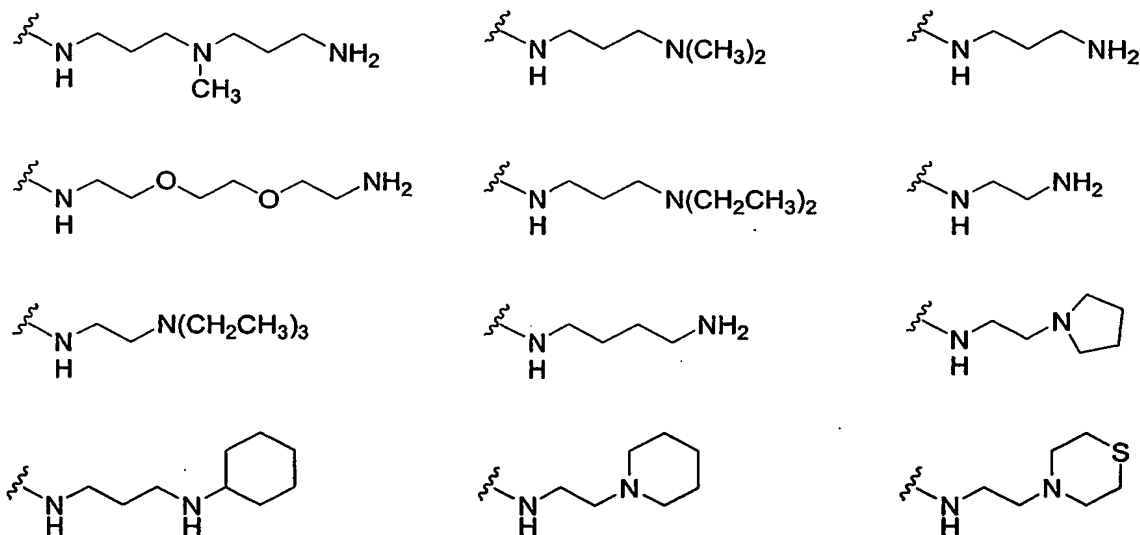
2 10. A compound according to a formula selected from the group  
3 consisting of

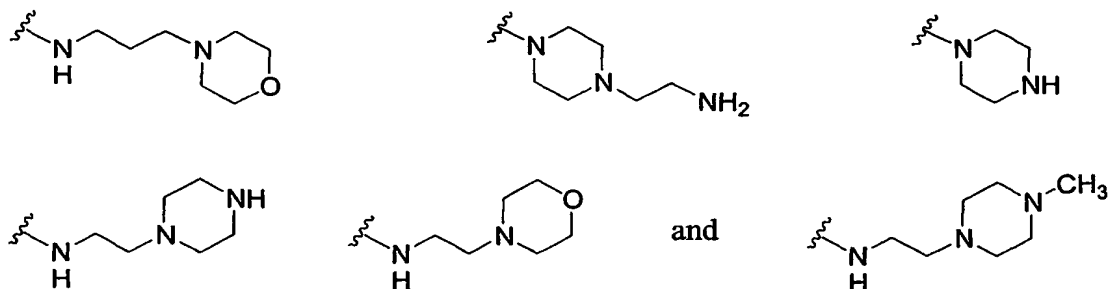




- 4 and the pharmaceutically acceptable salts thereof,  
 5 wherein each  $R^2$  is independently H or a  $C_1$  to  $C_{18}$  alkyl or heteroalkyl moiety or the two  
 6  $R^2$ 's taken together with the nitrogen atom to which they are attached form a substituted  
 7 or unsubstituted heteroalkyl 5 to 7 member ring; at least one group  $R^2$  containing an alkyl  
 8 amine group.

- 1 11. A compound according to claim 1, 2 or 10, wherein  $N(R^2)_2$  is  
 2 selected from the group consisting of





1                    12.    A compound according to claim 1, having a minimum inhibitory  
2 concentration of 4 µg/mL or less against at least one of *Staphylococcus aureus* (ATCC  
3 27660), *Streptococcus pneumoniae* (ATCC 51422), and *Enterococcus faecium* (ATCC  
4 51559).

1                    13.    A method of treating a bacterial infection in a mammal, comprising  
2 administering to a patient in need of such treatment an effective amount of a compound  
3 according to claim 1, 2, or 10.

1                    14.    A method according to claim 13, wherein the bacterial infection is  
2 an infection by drug resistant bacteria.

1                    15.    A method according to claim 14, wherein the drug resistant  
2 bacteria is MRSA, PRSP, or VRE.

1                    16.    The use of a compound according to claim 1, 2, or 8 for the  
2 preparation of a medicament for the treatment of a bacterial infection in a mammal.